

# An Vo

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M.S. student @ **Korea Advanced Institute of Science & Technology (KAIST)**  
291 Daehak-ro, Yuseong District, Daejeon, South Korea

## BIOGRAPHY

An is a second-year M.S. student at **Korea Advanced Institute of Science & Technology (KAIST)**, working with Professor Daeyoung Kim and Professor Anh Totti Nguyen. His M.S. program is fully funded by the **Hyundai CMK Global Scholarship**. Prior to joining KAIST, An obtained his B.S. degree as the valedictorian at the **University of Information Technology (UIT), Vietnam National University - Ho Chi Minh City (VNU-HCM)** in 2023, where he worked with Dr. Ngoc Hoang Luong. His research interests include fairness and interpretability in Large Language Models (LLMs)/Vision Language Models (VLMs). His works have been accepted at top venues: ICML, AAAI, GECCO, etc. *An is actively seeking PhD opportunities starting Fall 2026* to continue advancing research in, but not limited to, AI fairness, bias mitigation, interpretability, evaluation and analysis. If you believe he would be a good fit for your research group, please feel free to reach out at [an.vo@kaist.ac.kr](mailto:an.vo@kaist.ac.kr).

## EDUCATION

- **Korea Advanced Institute of Science & Technology (KAIST) [🌐]** Feb 2024 – Feb 2026  
Daejeon, South Korea  
*M.S. in Computer Science | Advisors: Daeyoung Kim, Anh Totti Nguyen*
- **University of Information Technology (UIT), Vietnam National University HCMC [🌐]** Aug 2019 – Apr 2023  
Ho Chi Minh City, Vietnam  
*B.S. in Computer Science | Advisor: Ngoc Hoang Luong*
  - GPA: 9.32/10 (**Valedictorian**, #1)
  - Thesis: Many-Objective Evolutionary Neural Architecture Search with Performance Predictors (10/10, **Best Thesis**)
- **Phan Ngoc Hien High School for the Gifted [🌐]** Aug 2016 – Jul 2019  
Ca Mau, Vietnam  
*Specialized in Mathematics and Informatics*

## EXPERIENCE

- **Korea Advanced Institute of Science & Technology (KAIST) [🌐]** Feb 2024 – Present  
Daejeon, South Korea  
*Graduate Research Assistant*
  - Conducting research on fairness and interpretability in LLMs/VLMs.
- **University of Information Technology (UIT), Vietnam National University HCMC [🌐]** Apr 2020 – Jan 2024  
Ho Chi Minh City, Vietnam  
*Undergraduate Research Assistant*
  - Conducted research on Evolutionary Computation, Neural Architecture Search (NAS), Vehicle Routing Problem, and Multi-Objective Optimization.
  - Developed novel algorithms to enhance the efficiency of NAS using evolutionary strategies and optimization algorithms.
- **ZaloPay, VNG Corporation [🌐]** Jul 2023 – Sep 2023  
Ho Chi Minh City, Vietnam  
*Associate Data Scientist*
  - Worked on customer lifetime value (CLV) modeling to provide actionable insights for the business team.
  - Developed predictive models to improve customer retention and optimize marketing strategies.
- **Eximbank [🌐]** May 2023 – Jul 2023  
Ho Chi Minh City, Vietnam  
*Developer*
  - Assisted in developing financial software solutions to enhance banking operations.

## PUBLICATIONS

C=CONFERENCE, J=JOURNAL, U=UNDER REVIEW

\* indicates equal contribution.

### Conference papers

- [C.1] [An Vo](#), Mohammad Reza Taesiri, Daeyoung Kim, Anh Totti Nguyen (2025). B-score: Detecting biases in large language models using response history. *Forty-Second International Conference on Machine Learning (ICML 2025)*. [[pdf](#) | [project website](#)]
- [C.2] Thao Do, Dinh Phu Tran, [An Vo](#), Daeyoung Kim (2025). Reference-Based Post-OCR Processing with LLM for Precise Diacritic Text in Historical Document Recognition. *Annual AAAI Conference on Artificial Intelligence (AAAI)*. [[pdf](#) | [code](#) | [dataset](#)]
- [C.3] [An Vo](#), Ngoc Hoang Luong (2024). Efficient Multi-Objective Neural Architecture Search via Pareto Dominance-based Novelty Search. *Genetic and Evolutionary Computation Conference (GECCO)*. [[pdf](#) | [code](#)]

- [C.4] Nhat Minh Le\*, An Vo\*, Ngoc Hoang Luong (2024). Zero-Cost Proxy-Based Hierarchical Initialization for Evolutionary Neural Architecture Search. *IEEE Congress on Evolutionary Computation (CEC)*. [pdf]
- [C.5] Khoa Huu Tran, Luc Truong, An Vo, Ngoc Hoang Luong (2023). Accelerating Gene-pool Optimal Mixing Evolutionary Algorithm for Neural Architecture Search with Synaptic Flow. *Genetic and Evolutionary Computation Companion Conference (GECCO Companion)*. [pdf | code]
- [C.6] An Vo, Tan Ngoc Pham, Van Bich Nguyen, Ngoc Hoang Luong (2022). Training-Free Multi-Objective and Many-Objective Evolutionary Neural Architecture Search with Synaptic Flow. *International Symposium on Information and Communication Technology (SoICT)*. **Best Paper Award**. [pdf | code]

## Journal papers

- [J.1] Ngoc Hoang Luong, Quan Minh Phan, An Vo, Tan Ngoc Pham, Dzung Tri Bui (2024). Lightweight Multi-Objective Evolutionary Neural Architecture Search with Low-Cost Proxy Metrics. *Information Sciences*. [pdf | code]
- [J.2] An Vo, Tan Ngoc Pham, Van Bich Nguyen, Ngoc Hoang Luong (2023). Lightweight Multi-Objective and Many-Objective Problem Formulations for Evolutionary Neural Architecture Search with the Training-Free Performance Metric Synaptic Flow. *Informatica*. [pdf | code]

## Under-review papers

- [U.1] An Vo, Mohammad Reza Taesiri, Anh Totti Nguyen\*, Daeyoung Kim\* (2025). B-score: Detecting biases in large language models using response historys. *Under Review*.
- [U.2] An Vo, Nhat Minh Le, Ngoc Hoang Luong (2024). Efficient Multi-Objective Neural Architecture Search via Tree Search with Training-Free Metrics. *Under Review*.

## GRANTS AND FELLOWSHIPS

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### In M.S. Program

- 2025: Together AI Research Grant Credit – \$150
- 2024: OpenAI Research Grant Credit – \$2,500
- 2024: Cohere For AI Research Grant – \$1,000
- 2024–2026: KAIST Fellowship – \$22,000 (estimated total value)
- 2024–2026: Hyundai Chung-Mong Koo Global Scholarship – \$45,000 (estimated total value)

### In B.S. Program

- 2022–2023: Incentive for Scientific Publications – \$100
- 2019–2023: University of Information Technology, VNU-HCM Merit Scholarships – \$3,600 (estimated total value)

### In High School

- 2016–2019: Incentive for Participation and Awards in High School Olympiads – \$1,000 (estimated total value)

## SELECTED HONORS AND AWARDS

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### In B.S. Program

- 2023: **Valedictorian** of the B.S. Program
- 2023: Excellent Graduate of the B.S. Program
- 2022: **Best Paper Award** at the International Symposium on Information and Communication Technology (SoICT)
- 2022: Ho Chi Minh City Outstanding Youth
- 2022: Award for Outstanding Scientific Research Publications
- 2019: Top 100 Student Leaders of Ho Chi Minh City
- 2019–2023: Recognized for Excellence in Academics and Personal Development

### In High School

- 2019: Consolation Prize in the Provincial Science and Engineering Fair
- 2018: First Prize in the Provincial Youth Informatics Competition
- 2018: First Prize in the Provincial English-Language Science and Engineering Competition in Informatics

- 2018–2019: Competed in the National Olympiad in Informatics (VOI) x2
- 2017–2018: Second Prize in the Provincial Olympiad in Informatics x2
- 2017: Bronze Medal in the Summer Olympiad in the Mekong Delta in Informatics
- 2017: Bronze Medal in the April 30th Olympiad in Informatics
- 2017: Consolation Prize in the Provincial Physics Olympiad via Internet

## SELECTED PRESS COVERAGE

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### In B.S. Program

- 2024: UIT News – Recipient of Master's Scholarship at Top Korean Research Institute: "Choosing UIT was my crucial and unforgettable turning point"
- 2024: UIT Cafe – "Is Studying Abroad the Ultimate Destination?" (in Vietnamese)
- 2023: **Tien Phong** – Valedictorian Graduating with Excellence and Passion for Science (in Vietnamese)
- 2023: **Thanh Nien** – The Valedictorian Who Persisted in Academia to 'Gain Freedom in Will and Time' (in Vietnamese)
- 2023: UIT News – Meet the Computer Science Student with Outstanding Achievements (in Vietnamese)
- 2023: **Dan Tri** – Meager Salary, Drowning in Debt – A Female Teacher Dreams of Earning Billions in Australia (in Vietnamese)
- 2023: **Tuoi Tre** – Ho Chi Minh City Leaders Dialogue with Outstanding Students: Opening Space for Gen Z Officials (in Vietnamese)
- 2023: **VnExpress** – Students Offer Solutions for Ho Chi Minh City to Attract Talent (in Vietnamese)
- 2022: **Tien Phong** – Two Students Receive 'Best Paper Award' at International Conference on ICT (in Vietnamese)
- 2022: **Tuoi Tre** – Applying AI to History Education (in Vietnamese)

### In High School

- 2018: Dat Mui – 108 Students Compete in the Provincial Youth Informatics Competition (in Vietnamese)

## MENTORING

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### Undergraduate Students at University of Information Technology, Vietnam National University–Ho Chi Minh City

- **Khoa Huu Tran** (Oct 2022 – Jan 2024) – GECCO Late-Breaking Abstract Paper [[Published in \[C.5\]](#)]
- **Luc Truong** (Oct 2022 – Jan 2024) – GECCO Late-Breaking Abstract Paper [[Published in \[C.5\]](#)]
- **Minh Le** (Oct 2022 – Feb 2023) – IEEE CEC Paper [[Published in \[C.4\]](#)]
- **Vy Tuong Dang** (Dec 2021 – Present) – KAIST Scholarship for M.S. Program (Full Tuition Fee & Stipend)

## PROFESSIONAL SERVICE

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- Conference Reviewer/Program Committee: IEEE CEC 2024, IEEE CEC 2025, IJCNN 2025 BMVC 2025
- Journal Reviewer: IEEE Transactions on Evolutionary Computation (Impact Factor = 11.7)

## INVITED TALKS

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- 2022: **Vietnam Youth Academy** – University Learning Methods in the Context of Digital Transformation
- 2022: **Ho Chi Minh City Youth Symposium Proud of Vietnamese History** – Applying AI in History Education

## SELECTED CERTIFICATES

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- 2021: Computational Thinking for Problem Solving – University of Pennsylvania, Coursera
- 2021: Linear Algebra for Machine Learning and Data Science – DeepLearning.AI, Coursera
- 2021: Python for Data Science and AI – IBM, Coursera
- 2021: Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization – DeepLearning.AI, Coursera
- 2021: Neural Networks and Deep Learning – DeepLearning.AI, Coursera

- 2021: Fundamentals of Reinforcement Learning – University of Alberta, Coursera
- 2021: Sample-based Learning Methods – University of Alberta, Coursera
- 2020: How Google Does Machine Learning – Google Cloud, Coursera
- 2020: What is Data Science? – IBM, Coursera
- 2020: Basic Statistics – University of Amsterdam, Coursera
- 2020: Machine Learning – Andrew Ng, Stanford University, Coursera

## REFERENCES

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1. **Dr. Anh Totti Nguyen**  
Associate Professor, Auburn University  
anh.ng8 at gmail.com
2. **Dr. Daeyoung Kim**  
Full Professor, KAIST  
kimd at kaist.ac.kr
3. **Dr. Ngoc Hoang Luong**  
Lecturer & Head of AI Department, University of Information Technology, Vietnam National University HCMC  
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